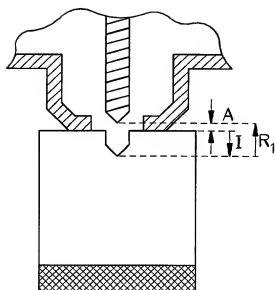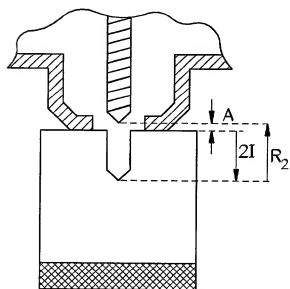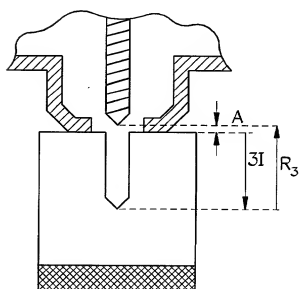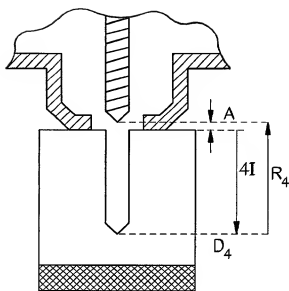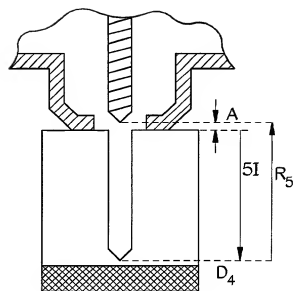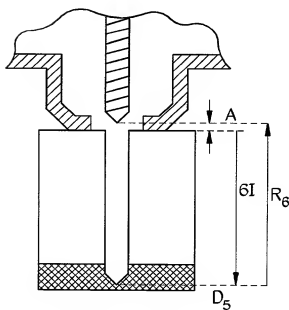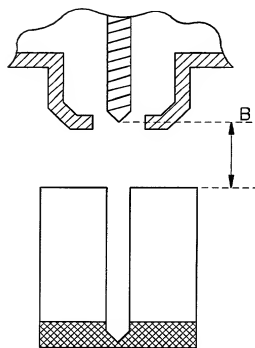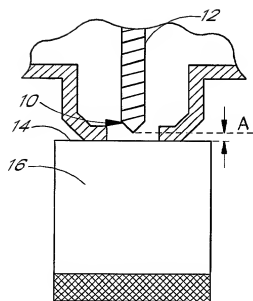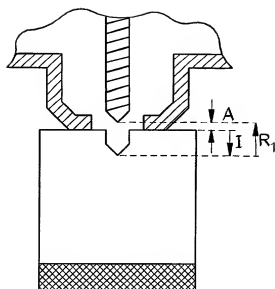FIG. 1A

FIG. 1B

FIG. 1C

FIG. 1D

FIG. 1E

FIG. 1F

FIG. 1G

FIG. 1H

FIG. 2A

FIG. 2B
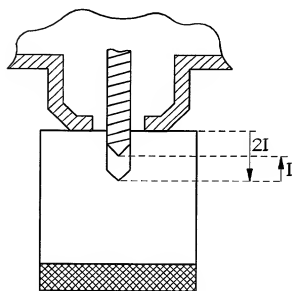
FIG. 2C
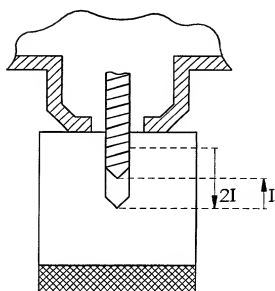
FIG. 2D
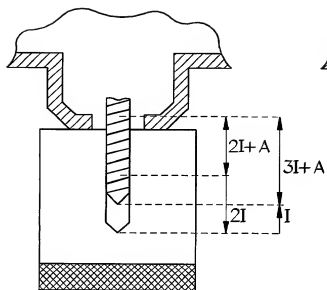
FIG. 2E
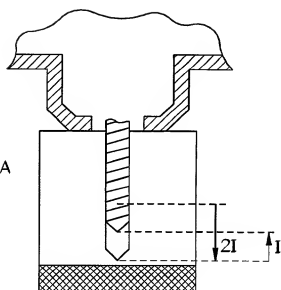
FIG. 2F

FIG. 2G

FIG. 2H

F/G. 3

FIG. 4
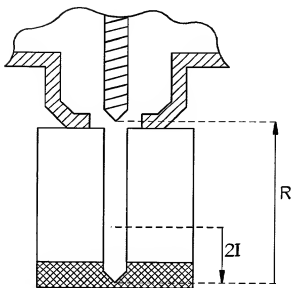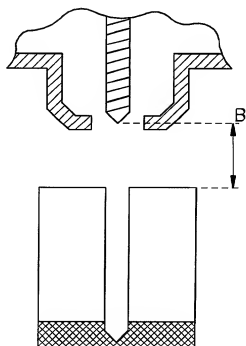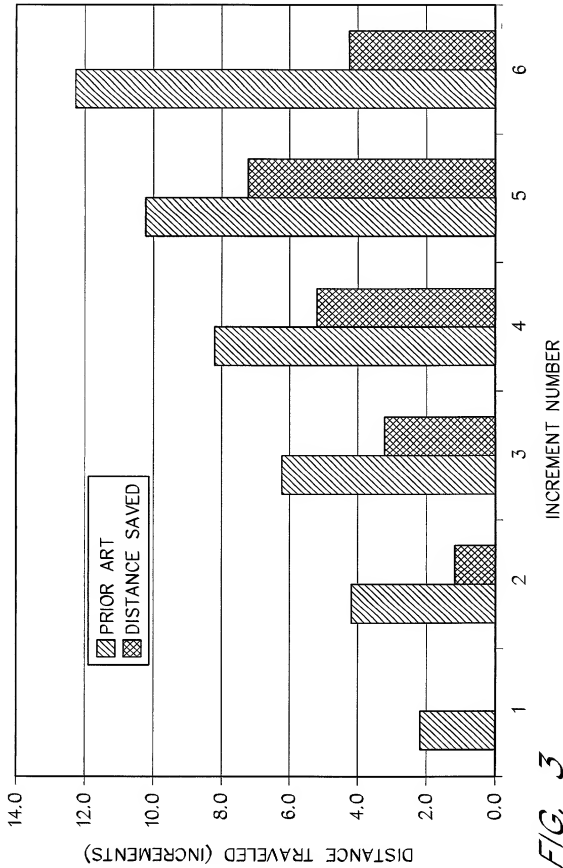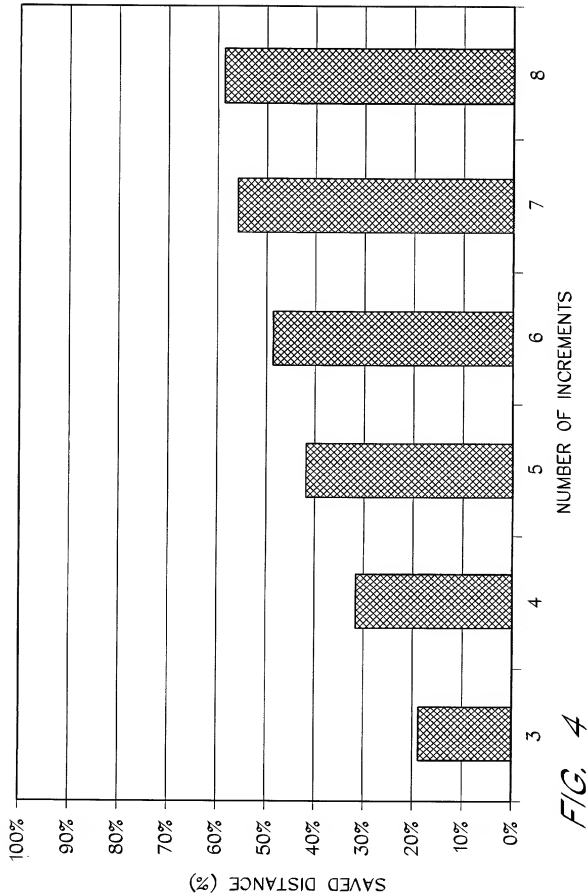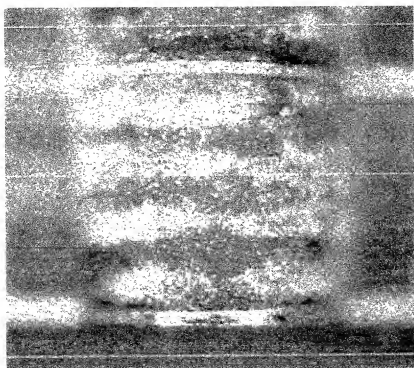
FIG. 5A

FIG. 5B

FIG. 6A

FIG. 6B
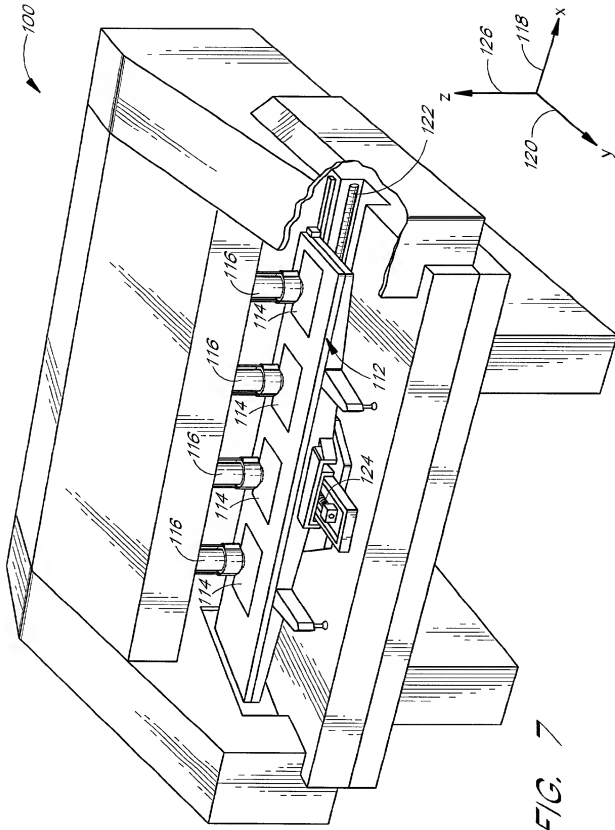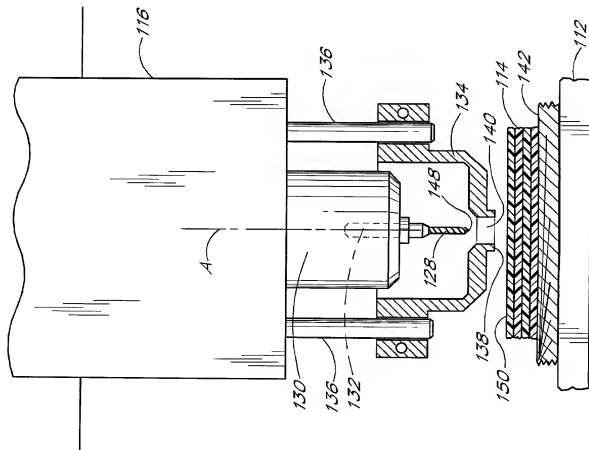
FIG. 7
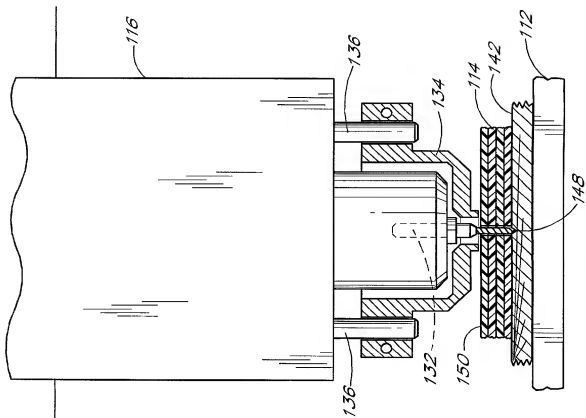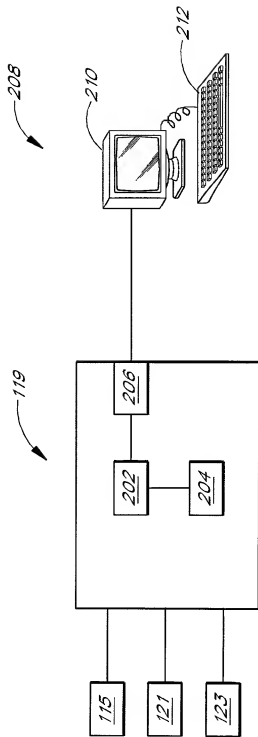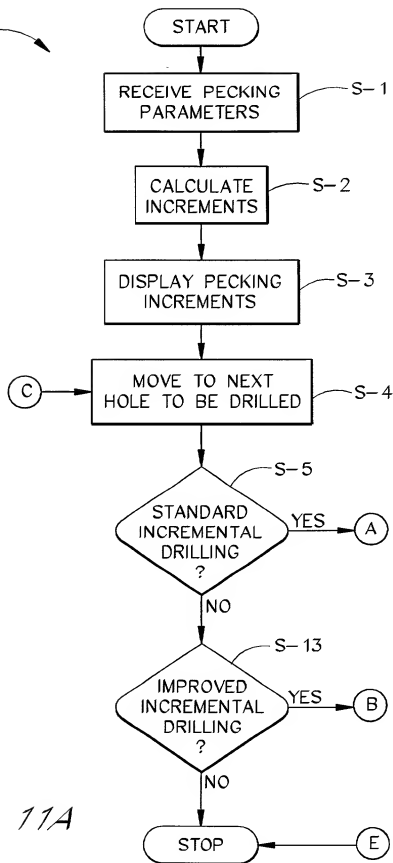
FIG. 9

FIG. 8

FIG. 10

FIG. 11A

300

(A)

MOVE DRILL TO INITIAL
RETRACT POSITION;
SET D = I + A AND N = 1
— S—6

DRILL DEPTH = D
— S—7

RETRACT TO INITIAL
RETRACT POSITION
— S—8

ADD I TO D
1 TO N
S—10

LAST
INCREMENT
DRILLED
?
— S—9

NO

YES — S—11

RETRACT TO
STARTING POSITION

(D)

FIG. 11B

300

(D)

IS
LAST HOLE
DRILLED
?
— S—12

(E) ← YES

NO

(C)

FIG. 11C

FIG. 11D
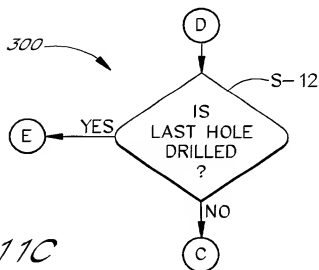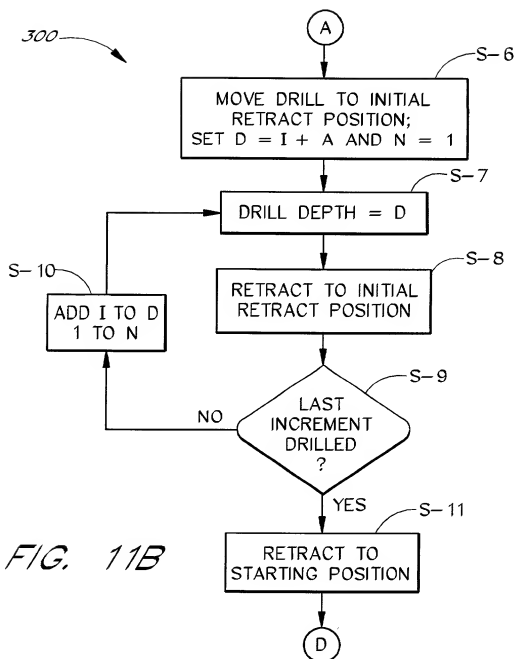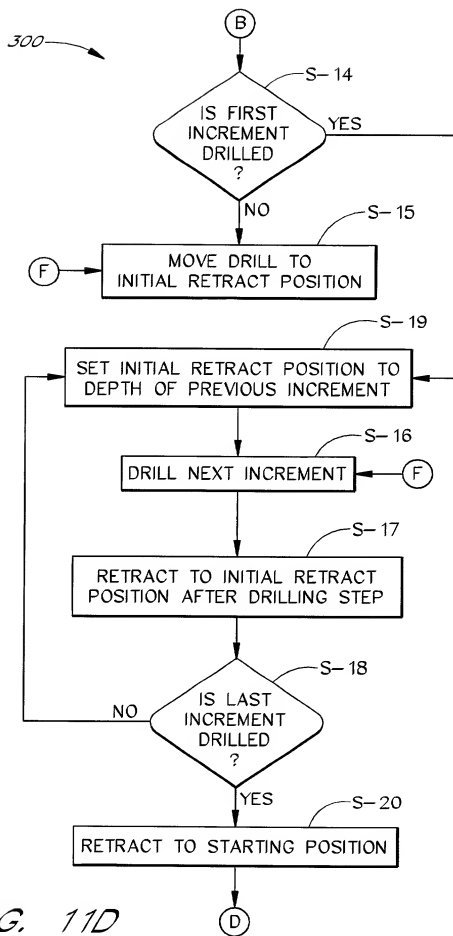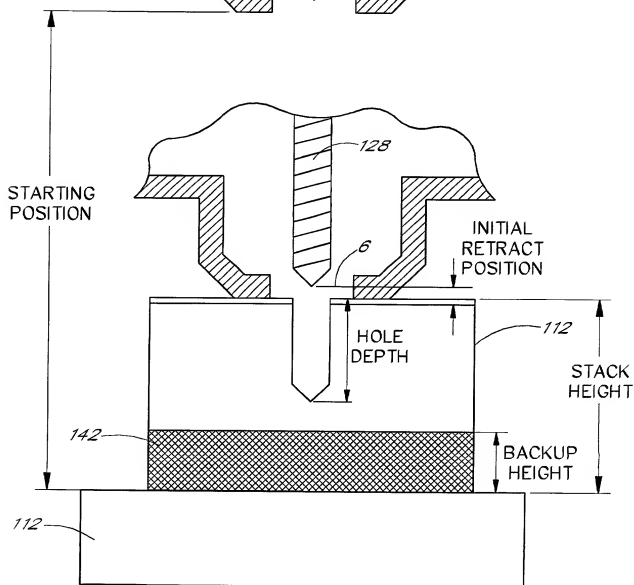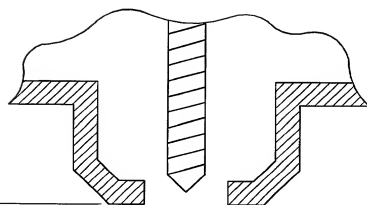
FIG. 12

PECK DRILLING SETUP PAGE

	PECKING STATUS	PECK TOOLS	STACK HEIGHT	NO. OF PECKS	UPPER LIMIT	2nd UP LIMIT	LOWER LIMIT		MINIMUM STROKE
								BOFS	
—	ON	01	.2640	3	.300	.015	.063 .0000		
							FINAL DEPTH	.063	.005

FIG. 13A

SHOWS THE INCREMENTAL HOLE DEPTH PER PECK FROM THE TOP OF THE STACK

PECK DEPTH	1	2	3	4	5	6	7	8
1	-.089							
2	-.045	-.089						
3	-.030	-.059	-.089					
4	-.022	-.045	-.067	-.089				
5	-.018	-.036	-.053	-.071	-.089			
6	-.015	-.030	-.045	-.059	-.074	-.089		
7	-.013	-.025	-.038	-.051	-.064	-.076	-.089	
8	-.011	-.022	-.033	-.045	-.056	-.067	-.078	-.089

FIG. 14A

FIG. 13B

PECK DRILLING SETUP PAGE

						LOWER LIMIT	.103	MINIMUM STROKE
PECKING STATUS	PECK TOOLS	STACK HEIGHT	NO. OF PECKS	UPPER LIMIT	2nd UP LIMIT	BOFS	.375	
ON	01	.7140	8	.800	-.025	FINAL DEPTH	.478	.010

FIG. 13B

FIG. 14B

SHOWS THE INCREMENTAL HOLE DEPTH PER PECK FROM THE TOP OF THE STACK

PECK DEPTH	1	2	3	4	5	6	7	8
1	-.257							
2	-.129	-.257						
3	-.086	-.171	-.257					
4	-.064	-.129	-.193	-.257				
5	-.051	-.103	-.154	-.206	-.257			
6	-.043	-.086	-.129	-.171	-.214	-.257		
7	-.037	-.073	-.110	-.147	-.184	-.220	-.257	
8	-.032	-.064	-.096	-.129	-.161	-.193	-.225	-.257

FIG. 14B

INITIAL
RETRACT
POSITION
A

DECELERATION
POINT

DECELERATION
POINT

I+A

2I+A

I+A

I

2I

I

1st INCREMENT

2nd INCREMENT

3rd INCREMENT

F/G. 15